

NEW UTILITY PATENT APPLICATION TRANSMITTAL
(Small Entity)

(to be used for new applications only)

Docket No.
A52023.2US

Total Pages in this Submission
111

TO THE ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53 is a new utility patent application for an invention entitled:

THERAPEUTIC COMPOSITIONS THAT ALTER THE IMMUNE RESPONSE

and invented by:

MADIYALAKAN, Ragupathy; NOUJAIM, Antoine A.; SYKES, Thomas R.; SCHULTES, Birgit; LEVEUGLE, Beatrice; BAUM, Richard; KREUTZ, Fernando

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 100 pages and including the following:
 - ☒ Abstract of the Disclosure
 - ☒ Title of the Invention
 - ☒ Cross References to Related Applications *(if applicable)*
 - ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
 - ☐ Reference to Microfiche Appendix *(if applicable)*
 - ☒ Background of the Invention
 - ☒ Brief Summary of the Invention
 - ☒ Brief Description of the Drawings *(if drawings filed)*
 - ☒ Detailed Description
 - ☒ Claim(s) as Classified Below
3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
 - ☐ Formal ☒ Informal
 - Number of Sheets 11
4. ☐ Declaration
 - ☐ Executed ☐ Unexecuted ☐ With Power of Attorney ☐ Without Power of Attorney

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Application Elements (Continued)

5. ☐ Genetic Sequence Submission *(if applicable, all must be included)*
- ☐ Paper Copy
- ☐ Computer Readable Copy
- ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

6. ☐ Assignment Papers
7. ☐ Computer Program in Microfiche
8. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations
9. ☐ Petition
10. ☐ Preliminary Amendment
11. ☐ Proprietary Information
12. ☒ Acknowledgment postcard
13. ☐ Small Entity Statement(s) - Specify Number of Statements Submitted: _____
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail *(Specify Label No.):* EL110243954US
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☐ English Translation Document *(if applicable)*

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Acc mpanying Applicati n Parts (C ntinued)

17. ☐ Additional Enclosures *(please identify below)*:

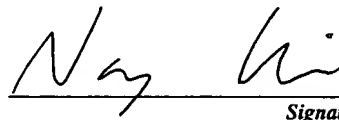
Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	176	- 20 =	156	x \$9.00	\$1,404.00
Ind p. Claims	10	- 3 =	7	x \$39.00	\$273.00
Multipl Dependent Claims (check if applicable) <input checked="" type="checkbox"/>					\$130.00
BASIC FEE					\$380.00
OTHER FEE <i>(specify purpose)</i>					\$0.00
TOTAL FILING FEE					\$2,187.00

- ☐ A check in the amount of _____ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 08-0219 as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$2,187.00 as filing fee.
 - ☒ Credit any overpayment.
 - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
 - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: August 18, 1999


Signature

Nancy Chiu, Ph.D.
Agent for Applicants
Reg. No. 43,545

CC:



PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Madiyalakan, et al.
Serial No.: 09/
Filing Date: August 18, 1999
Docket Number: A52023.2US (107823.____)
Title: THERAPEUTIC COMPOSITIONS THAT ALTER THE IMMUNE RESPONSE

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

CERTIFICATE OF MAILING

I hereby certify that the attached papers and fees are being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" Service under 37 C.F.R. 1.10 on August 18, 1999 and is addressed to: BOX PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.

EL110243954US
"Express Mail" Label No.

Nancy Chiu
Signed Name
Nancy Chiu
Printed Name

Dear Sir:

TRANSMITTAL LETTER

Enclosed herewith for filing in the United States Patent and Trademark office are the following documents:

- 1) Utility Application Cover Sheet (three pages);
- 2) Utility Application (111 pages) with 100 pages of specification and 11 sheets of informal drawings; and
- 3) Return postcard.

Please address all correspondence to:

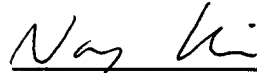
William J. Bundren
The Law Office of William J. Bundren
576 Farmington Road, West
Accokeek, Maryland 20607-9796.

Transmittal Letter
Express Mail No. EL110243954US
Page 2

Please charge any applicable fees to the Deposit Account No. 08-0219.

Respectfully submitted,

HALE AND DORR LLP



Nancy Chiu, Ph.D.
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Date: August 18, 1999

003130-4099260